

Figure 1

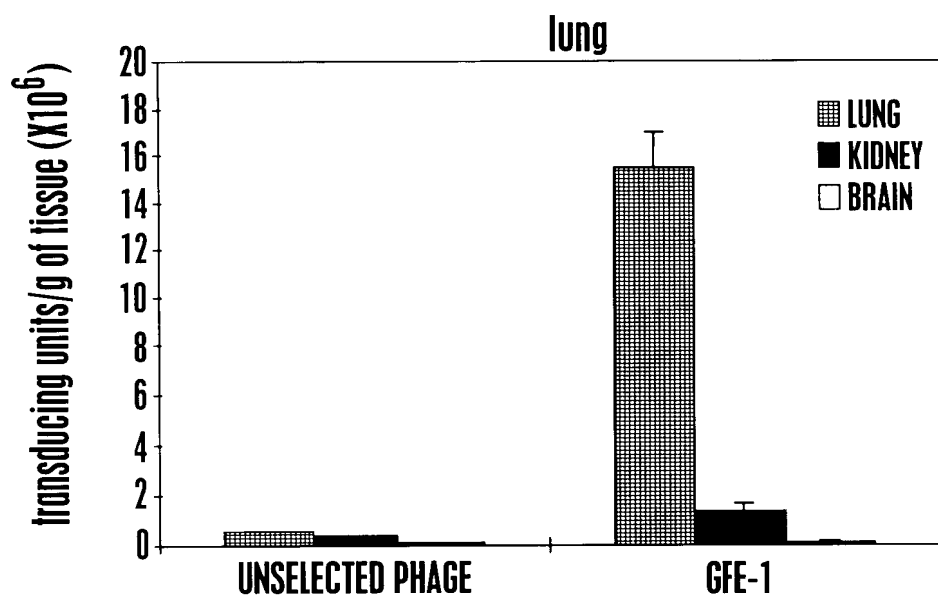


Figure 2A

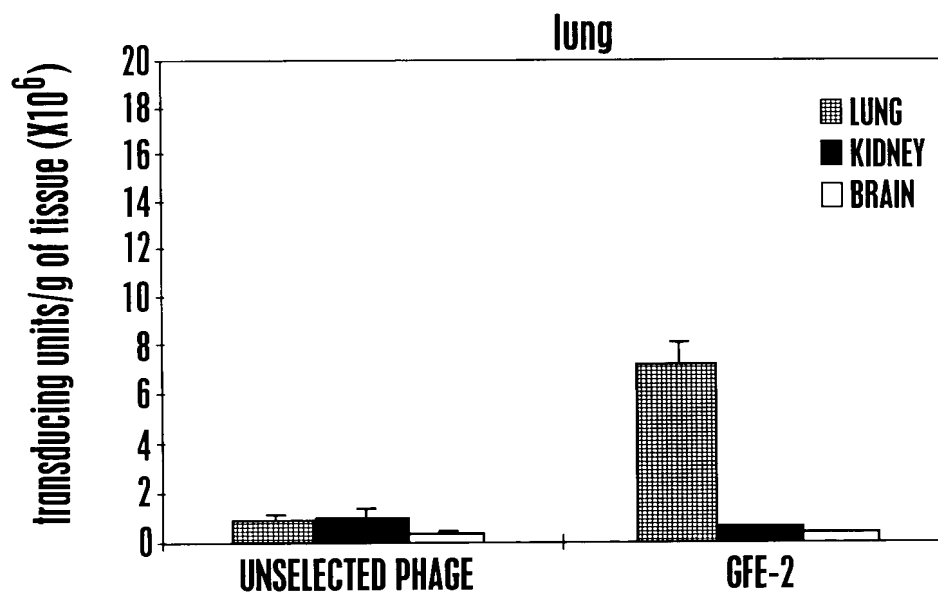


Figure 2B

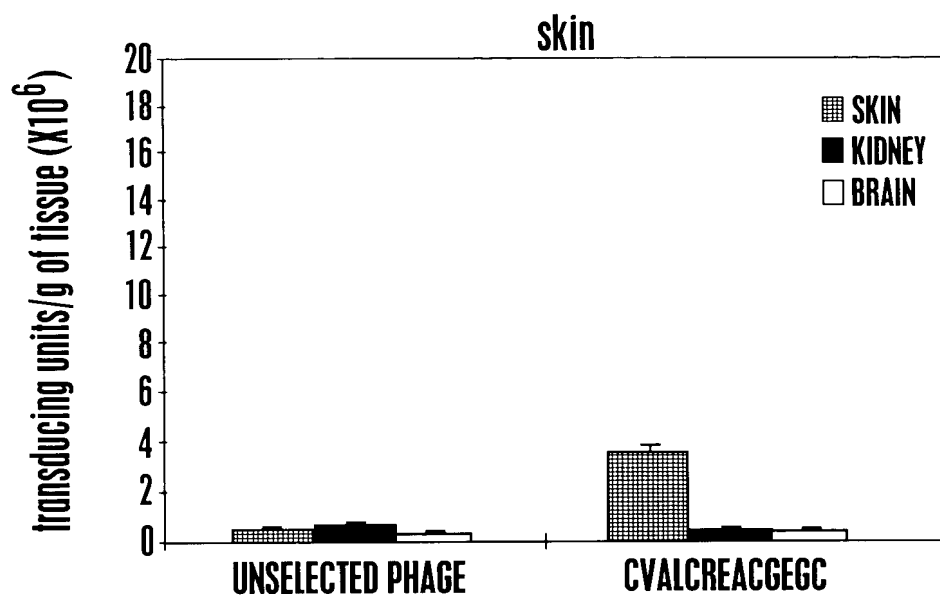


Figure 2C

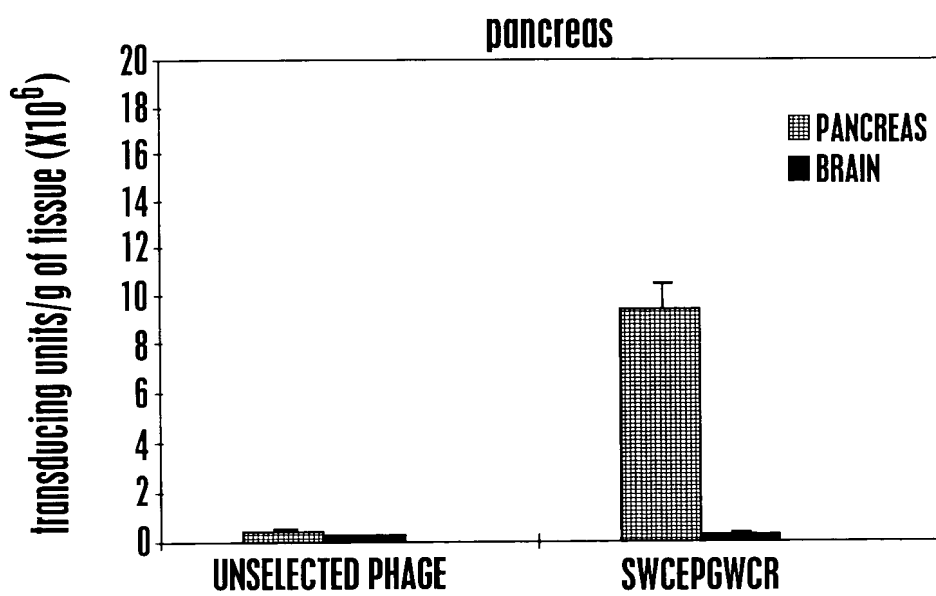


Figure 2D

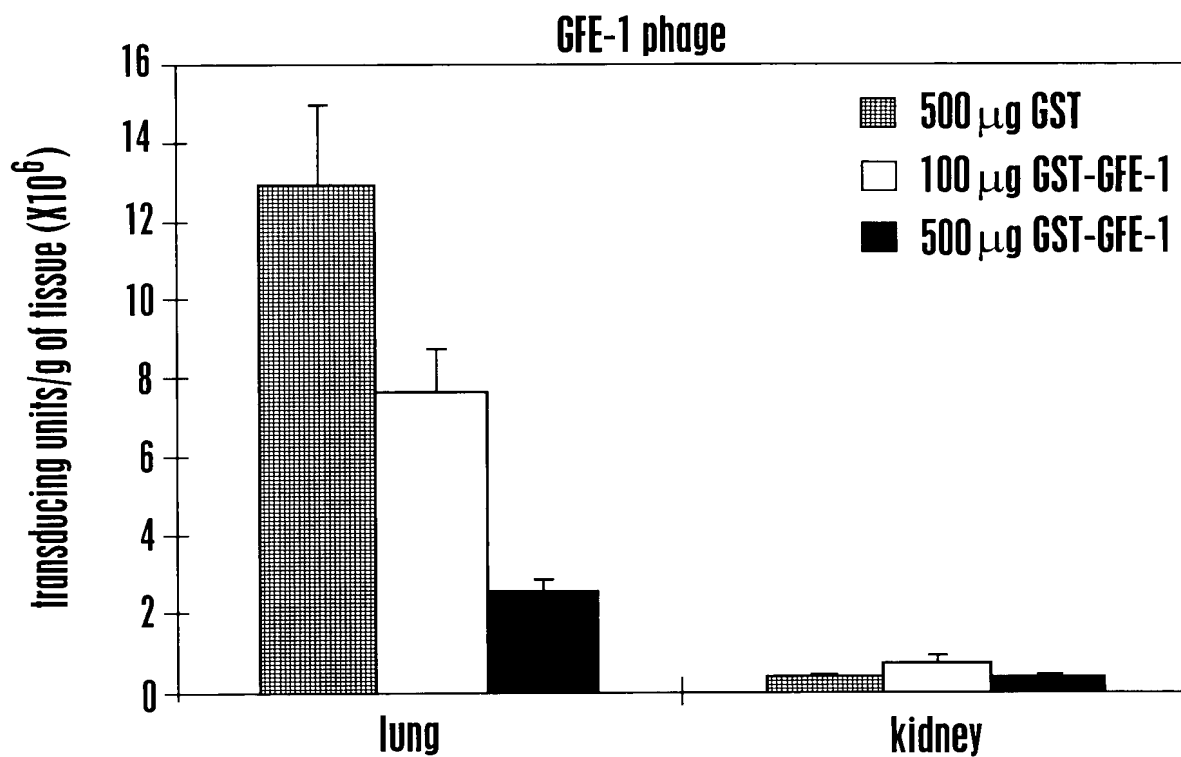


Figure 3A

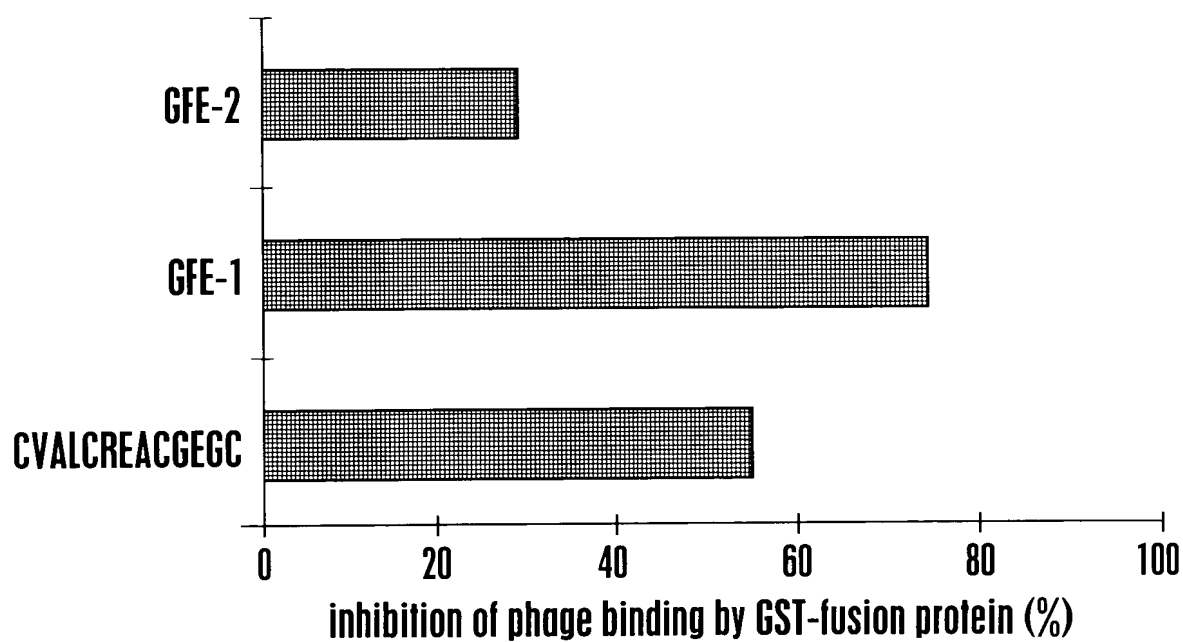


Figure 3B

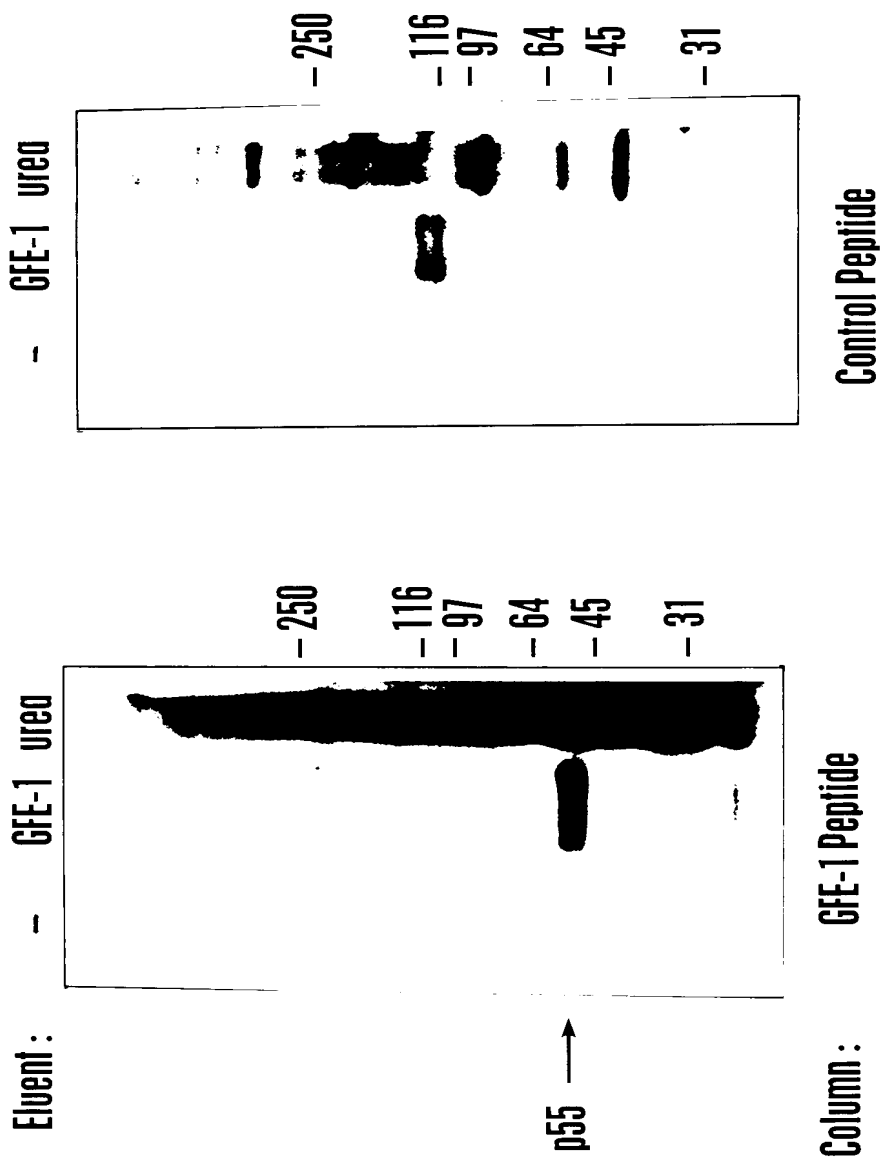


Figure 4B

Figure 4A

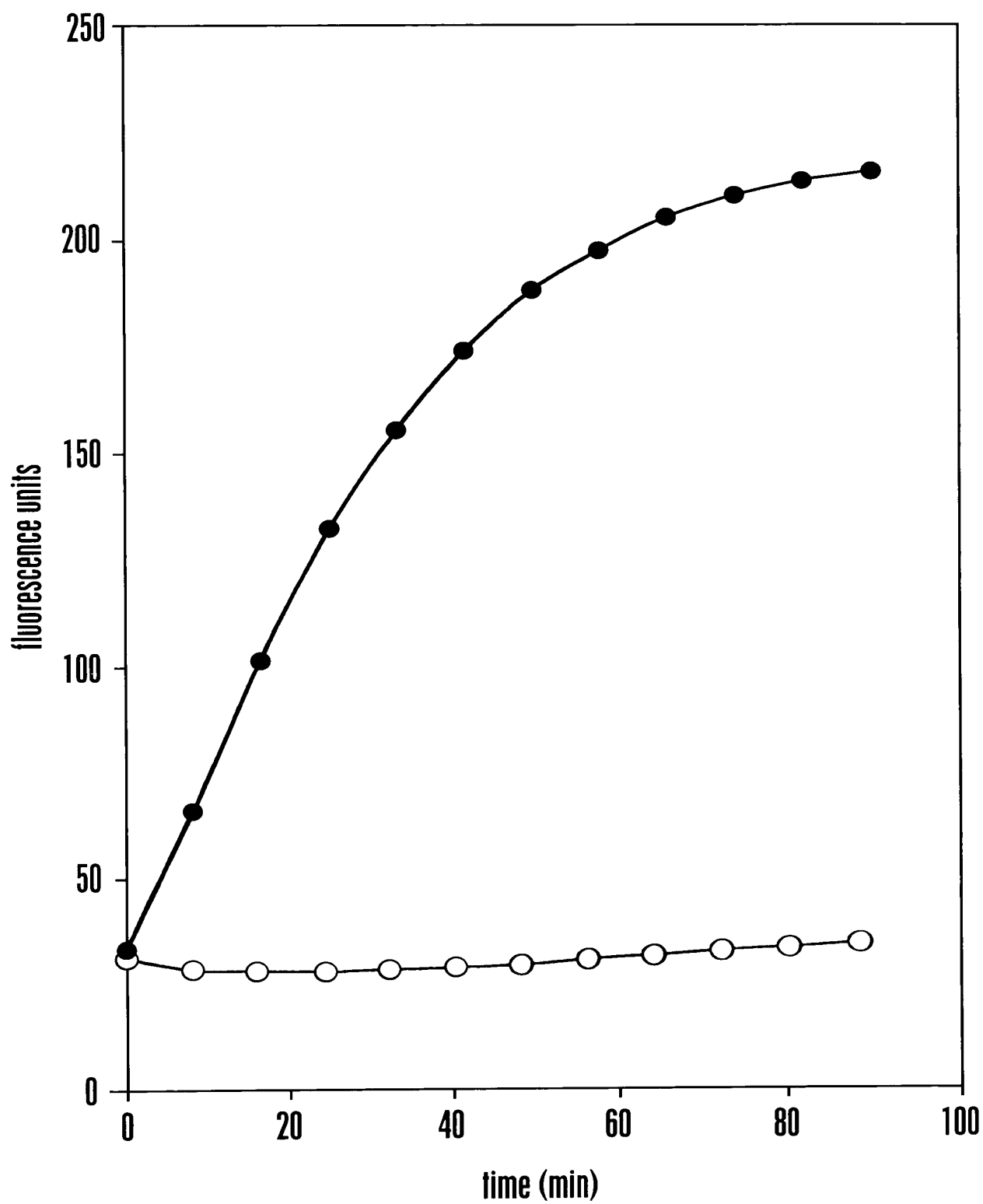


Figure 5

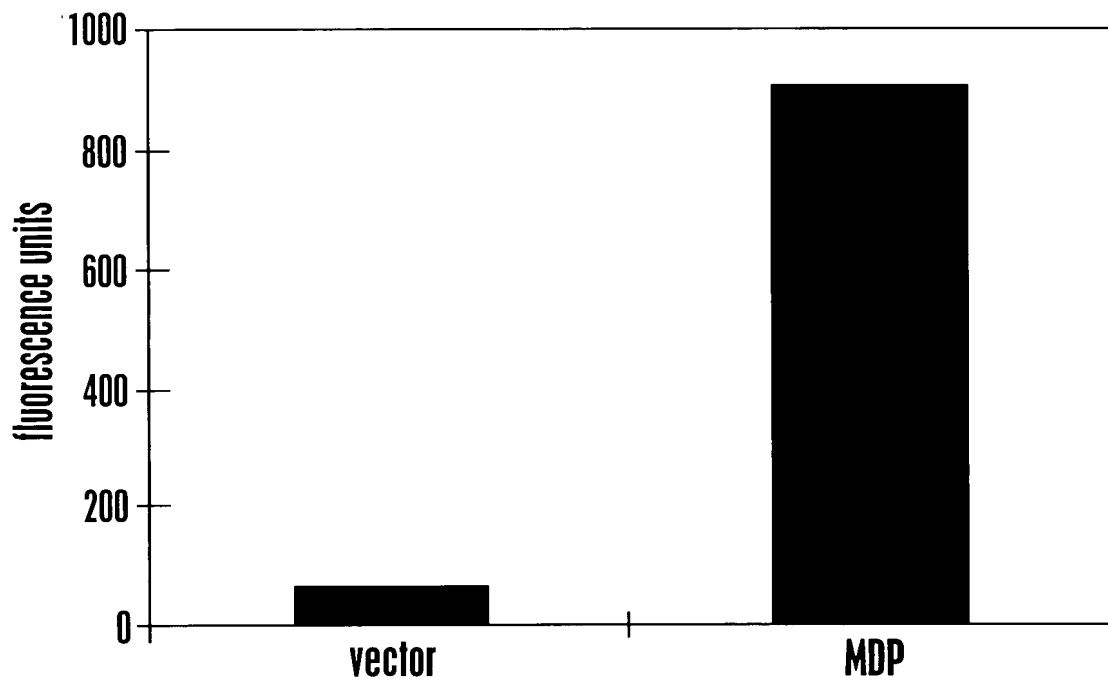


Figure 6A

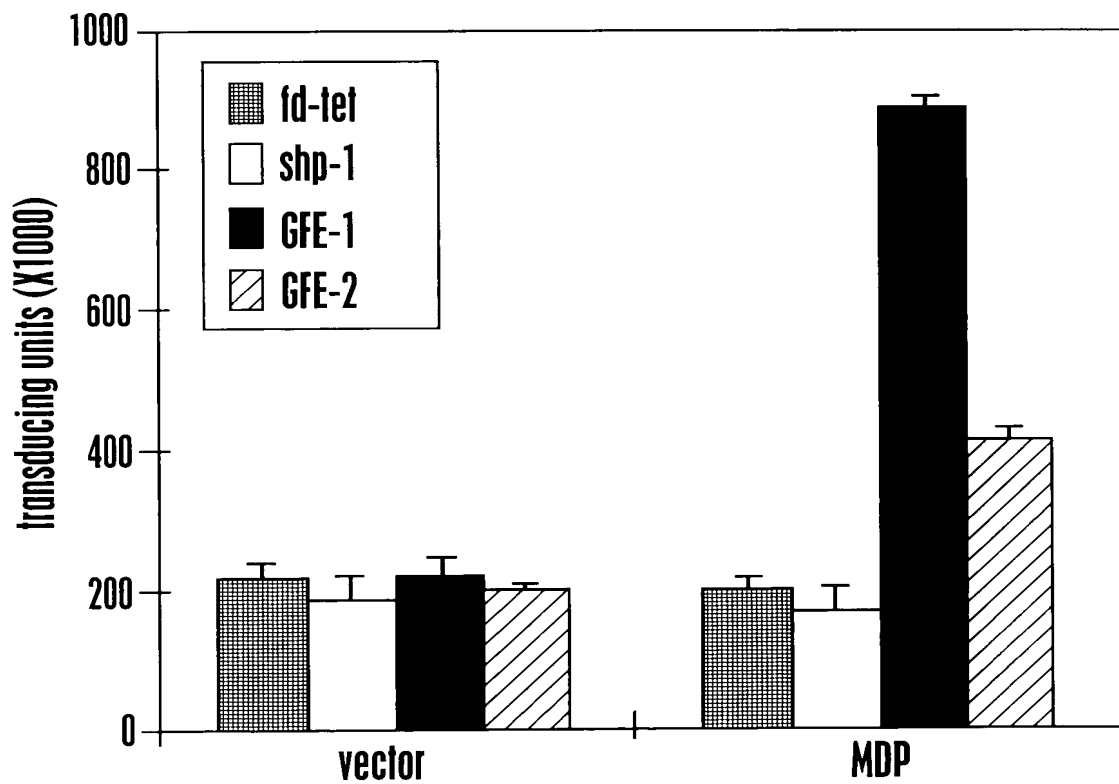


Figure 6B

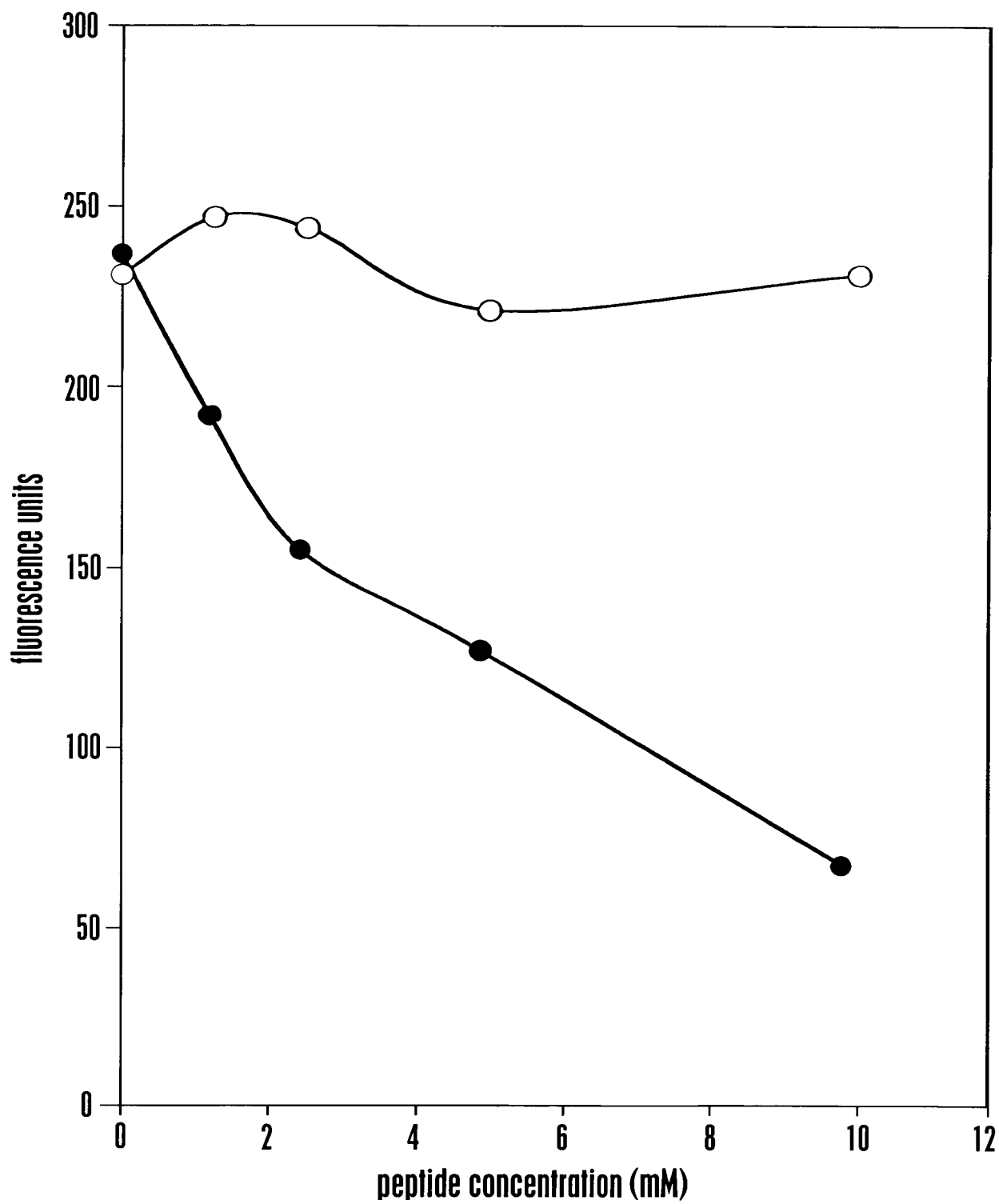


Figure 7



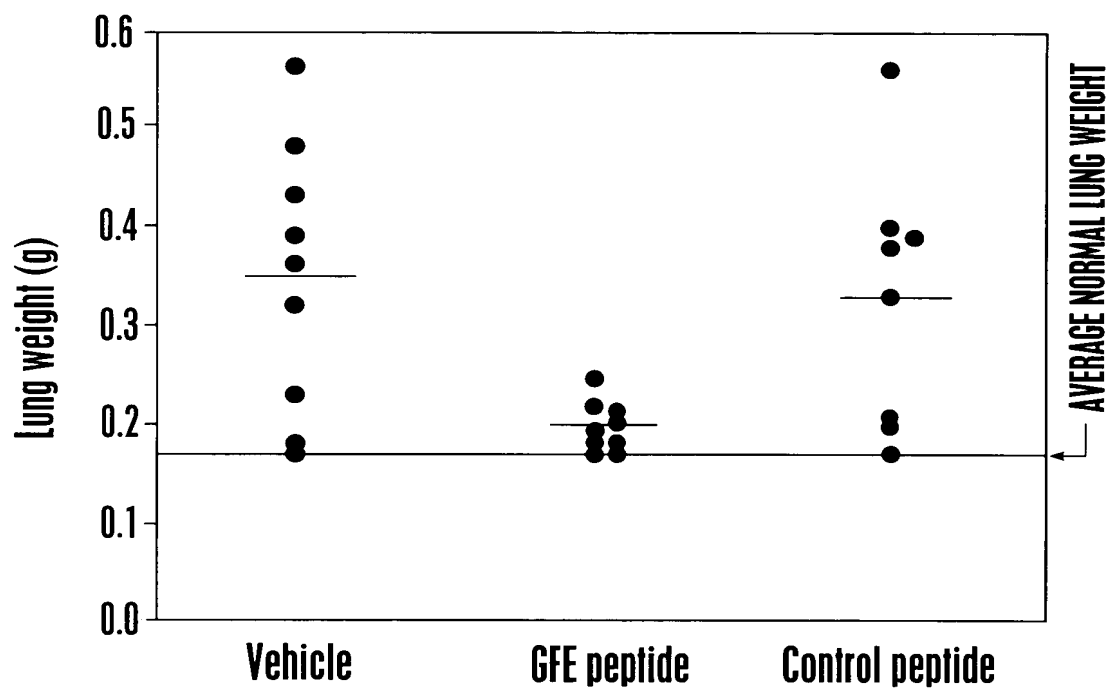


Figure 8

-16 1 84  
HUM MUGGWWLWLSLVAVCTADFFRDEAERIMRDSVIDGHNDLPWQLLDMFNNRLQDERANLTTLAGHTHTNIPKLRAGFVGGQFUSVYTPCDTQNKDAVRRILE  
PIG MUTSWULWPLVAVCAADQFRDLAVRIMQDTPVIDGHNDLPWQLLNLFNNQLQDPGANLSSLAHTHTNIPKLRAGFVGGQFUSAYVPCDTQNRDAVKRILE  
RAT MLIWUWFUSLLAICASDSFRNQAEIMRTTPVIDGHNDLPWQMLTLFNNQLRKSEANLSALAEHTHTNIPKLRAGFVGGQFUSAYMPCDTQNKDAVKRILE  
MOU MVIWUWFUSLLAICASDSFRDQAVAIMRTTPVIDGHNDLPWQLLNLFNNQLLRPDADLNKLAQHTHTNIPKLRAGFVGGQFUSAYMPCDTQNKDAVKRILE  
RAB MUTSWULWPLVAVCTADSFLDQAVQILRVTPVIDGHNDLPWQLLNKFNNRLQDSRANLTVLADHTHTNIPKLRAGFVGGQFUSAYTPCDTQNKDTVRRILE  
184  
HUM QMDVVHRMCRMYPETFLYVTSSAGIRQAFREGKVASLIGVEGGHSIDSSSLGVLRALYQLGMRYLTLTHTSCNTPWADNULVDTGDSQPQSGLSPFGQRVV  
PIG QIDVIQRMCAYPETFACVTSSGTIRQAFREGKVASLVGVEGGHSIDSSSLGVLRALYHLGMRYMTLTHTSCNTPWADNULVDTGDDKAQSQGLSHFQSVV  
RAT QIDVIHRMCQLYPETFEVCVTNSSDILQAFRRGKVASLIGVEGGHLIDSSSLGVLRTLYHLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSPFGKLLV  
MOU QMDVIHRMCQLYPETFMCVTNSSDILQAFRRGKVASLIGVEGGHLIDSSSLGVLRTLYHLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSPFGKRL  
RAB QMDVVHRMCQLYPETFLCVTDSAGIQAFREGKVASLIGVEGGHSIDSSSLGVLRALYRLGMRYLTLTHTNCNTPWADNULVDKGDDEAESQGLSVFQRVV

Figure 9A

284

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HUM KELNRLGVLIIDL AHVSVATMKATLQLSRAPVIFSHSSAYSVCASRRNVDPDVLRLVKQTDLSLVMVNFYNNYISCTNKANLSQVADHL DHIKEVAGARAVG

PIG KEMNRLGVMIIDL AHVSVATMRAALKLSQAPVIFSHSSAYSLSLCPHRRNVDPDVLQLVKETGSLVMVNFYNDYVSCSAKANLSQVADHL DHIKKVAGAAAVG

RAT NEMNRLGVMIIDL SHVSVATMKDALQLSKAPVIFSHSSAYSVCAPHRRNVDPDVLQLVKSTNSLVMVNFYNQFVSCSDSATLSQVADHL DHIKKVAGAGAVG

MOU NEMTRLGVMIIDL SHVSVATMKDALQISRAPVIFSHSSAYSLSLCPHRRNVDPDVLQLVKNTSSLVMVNFYNSFVSCSDSATLPQVADHL DHIKKVAGAGAVG

RAB REMNRLGVMIIDL AHVSVATMKAAALQLSAPVIFSHSSAFTVCAHKNRVDPDVLQLVKETGSLVMVNFYNDYVSCASEATLSQVADHL DYIKNVAGAAAVR

\* +

411

HUM FGGDFDGVPRVPEGLEDVSKYPDLIAELLRRNWTEAEVKGALADNLLRVFEAVEQASNL TQAPEEEPIDQLQGGSCRTHYGYSSGASSLHRHWGLLLASLAPLVLCSL

PIG FGGDYDGVSRVPSGLEDVSKYPDLVAELLRRQWTEAEVRGALADNLLRVFEAVEQASNHQVPGEPIPLGQLEASCRNTNYG-SAAPSLHLP PGSLLASLPVPLL-LSLP

RAT LGGDYDGVTNLPVGLEDVSKYPDLIAELLRRNWTE TETEV RGLLAENLLRVFSAVELVSNIMQVPEEETIPVEKLDGSCRTFYGH-SRAPSTHLQIGALLASLASFSLHPL

MOU LGGDYDGVTNLPVGLEDVSKYPDLIAELLRRNWTE TETEV RGLLADNLLRVFSEVELVSSNMQSPPEVPITLKELDGSCRTYYGY-SQAHSTHLQGTALVASLASLLFRLHLL

RAB FGGDFDGVTRLPVGLEDVSKYPDLVAELLRRGWTEAEVRGALAEENLLRVFREVEQVSNQAPVEPEEPIISLEQLGGSCRTQYGY-SEAPSLHRRPGALLASLALLSLGLL

Figure 9B